

2005 National Weatherization Training Conference Draft Agenda

Sunday, December 11th

7:00 a.m. – 6:30 p.m.	Registration/Information Desk Open
8:00 a.m. – 5:00 p.m.	Pre-Conference Training Sessions <i>Registration for Pre-Conference sessions was required prior to the start of this conference. Please see the registration desk if you are interested in attending.</i>
8:30 a.m. – 9:30 a.m.	Planning Committee Meeting
10:30 a.m. – 12:00 noon	Weatherization <i>Plus</i> Briefing <i>Open to all conference attendees.</i>
12:00 noon – 1:00 p.m.	Lunch Break on Your Own
12:00 noon – 4:00 p.m.	<i>Exhibitor Installation</i>
4:00 p.m. – 6:00 p.m.	Exhibitor Meet & Greet <i>Grab something to drink, find old friends, make new contacts, and see what products and services the vendors are able to supply to Weatherization providers.</i>

Monday, December 12th

7:00 a.m. – 6:00 p.m.	Registration/Information Desk Open
7:00 a.m. – 8:30 a.m.	Good Morning Coffee
9:00 a.m. – 10:15 a.m.	Opening Plenary
10:15 a.m. – 10:45 a.m.	Break
10:45 a.m. – 12:15 p.m.	Concurrent Sessions 1

AC Strategies

Session Leader: **Stacy Keys**, Governor's Office of Economic Opportunity, Charleston, WV

By attending this session, participants will:

- Learn the basic operations of heat pumps and air conditioners;
- Learn basic maintenance measures that WAP technicians can perform without special licenses; and,
- Learn proven measures to address safety and effectiveness of evaporation coolers.

Presenter: **Rich Moore**, Invisible Energy, Denver, CO

Blower Door Techniques - Manometer

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Session Leader: **Paul Younginer**, South Carolina's Governor's Office – Office of Economic Opportunity, Columbia, SC

By attending this session, participants will:

- Receive traditional blower door introductory training; and,
- Learn about automated tests, data logging of pressures for combustion safety testing, and other new techniques.

Presenter: **Frank Spevak**, The Energy Conservatory, Minneapolis, MN

An Introduction to New Features in Version 8 of the Weatherization Assistant (NEAT/MHEA)

Session Leader: **Doris Wright**, Arkansas Health & Human Services, Little Rock, AR

This session will introduce and demonstrate many of the new administrative features included in Version 8 of the Weatherization Assistant to help weatherization agencies and states conduct their weatherization programs. The Weatherization Assistant is the umbrella program for DOE's family of energy audit programs, which includes NEAT and MHEA. Version 8 of the program was released this summer.

By attending this session, participants will:

- Learn about the expanded agency and client information that can be stored in the database;
- See how a detailed work order can be generated directly from NEAT's or MHEA's recommendations;
- Hear how the status of the client application, audit, work orders, inspections, and contractor payments can be tracked;
- Review the various reports available, including audit recommendations, work orders, and job completions;
- Discover the wide range of diagnostic and health and safety information that can now be documented as part of the audit; and,
- Become aware of other administration features such as storing and linking to photographs and maps.

This session is intended for both new and experienced users of the Weatherization Assistant.

Presenters: **Mike Gettings** and **Mark Ternes**, Oak Ridge National Laboratory, Oak Ridge, TN

Certification of WAP Providers

Session Leader: **Luke Elliott**, Montana State University Extension Services, Bozeman, MT

By attending this session, participants will:

- Learn about the various WAP staff disciplines that are subject to certification;
- Learn about the various methods for performing certification (third party, training centers, in-state testing); and,
- Discuss the benefits and problems associated with certifying staff.

Presenters: **Dan Elliott**, Oregon Housing and Community Services, Portland, OR; **Luke Elliott**, Montana State University Extension Services, Bozeman, MT; **Joseph Hall**, Sun Power, Inc., Denver, CO

Combustion Appliance Testing

Session Leader: **Rees Byars**, South Carolina's Governor's Office – Office of Economic Opportunity, Columbia, SC

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This session will demonstrate methods for efficiency and safety tests of combustion heating systems, as well as basic modifications to make the system operate more efficiently and safer. Several unusual but fairly common problem situations will be discussed. There will be some focus on carbon monoxide testing, action levels, and common solutions.

Presenter: **Erik Rasmussen**, Bacharach, Inc., New Kensington, PA

DOE Rules and Guidance

Session Leader: **Jean M. Diggs**, U.S. Department of Energy, Washington, DC

By attending this session, participants will:

- Find out the latest policy guidance on major Program areas; and,
- Review a number of topics including Program Eligibility, Lead Safe Weatherization, Mold, Re-weatherizing, and Applications and Reporting.

Presenter: **Beth Cahall**, U.S. Department of Energy, Philadelphia, PA

Ethics While in the Home

Session Leader: **Christine Taylor**, Iowa Weatherization Bureau, Division of Community Action Agencies, Des Moines, IA

Most of us are regularly faced with ethical questions in our work. Should we accept gifts from clients? Is it proper to purchase a valuable antique from a client? What is the best action if we notice domestic violence? Is it ethical to have an intimate relationship with a client? What should you do if a client is a racist? Some ethical questions are easily answered with a simple "yes" or "no", but others need further thought or discussion. This session will help weatherization crews, auditors, inspectors, and managers define what is ethical and what is not and give you tools for making ethical decisions in the future. Your participation and stories about your experiences will be welcome and encouraged.

By attending this session, participants will:

- Learn about the way ethics affect your daily actions on the job;
- Understand the importance of establishing a code of ethics or a code of conduct for your agency or state program;
- Understand what is acceptable and what is not in your interactions with clients; and,
- Have a better understanding of simple methods for making ethical decisions in your everyday work life.

Presenter: **Rick Karg**, R.J. Associates, Topsham, ME

Finding and Fixing CO House Depressurization Problems

Session Leader: **Carole Gates**, U.S. Department of Energy, Seattle, WA

If your combustion safety testing expertise is up to snuff you are going to find carbon monoxide and depressurization problems. This session focuses on what to do when you find CO and depressurization problems and the types of fixes it takes to get them resolved. The presenter will cover how to assess a heating systems vent configuration, address cracked heat exchangers, imbalances in house pressure, and make requests to heating contractors for clean and tune work.

Presenter: **TBD**

Fixing Flat Roofs

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Session Leader: **Julie Palakovich**, Washington Department of Community, Trade and Economic Development, Olympia, WA

Installing attic insulation on top of flat roofs solves many building problems. The incorporation of this technique in the low-income weatherization industry in the Pacific Northwest will be presented. The session will explore building durability issues and will present real world data. A scientific method is employed to bring substantial energy savings to low income households.

By attending this session, participants will:

- Have a better understanding of moisture and energy patterns in building construction;
- Bring a new cost effective weatherization measure to your portfolio; and,
- Learn a method to include building code officials.

Presenter: **Dan Auer**, King County Housing Authority, Tukwila, WA

How to Spread the Message About What We Do In the WAP

Session Leader: **Clarice Sabree-Sylla**, New Jersey Department of Community Affairs, Trenton, NJ

By attending this session, participants will:

- Learn the best way to relate the WAP to clients, the general public, and key decision makers;
- Learn how to explain both program and technical aspects of the WAP;
- Learn how to spread the WAP message while increasing program support and facilitating greater leveraging opportunities; and,
- Hear about specific educational opportunities, reports, brochures, and web pages that can promote the WAP and its services.

Presenters: **Eugene Brady** and **Kathy O'Neill**, Commission on Economic Opportunity, Wilkes-Barre, PA; **Lisa Kesecker**, Governor's Office of Economic Opportunity, Moorefield, WV; **Tony Kimmel**, Pennsylvania Department of Community & Economic Development, Harrisburg, PA; **Ken Rauseo**, Massachusetts Division of Community Services, Boston, MA

Weatherization Works with ENERGY STAR

Session Leader: **Wendi Kamtman**, D&R International, Ltd., Silver Spring, MD

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ENERGY STAR is a government-backed program helping businesses and individuals protect the environment through superior energy efficiency. In 2002, the Weatherization Assistance and ENERGY STAR programs entered into a strategic partnership to make ENERGY STAR qualified products affordable for low-income applications. The program, known as Bulk Purchasing, began with refrigerators, now includes compact fluorescent lights (CFLs), and will continue to develop other product purchasing agreements.

Participants will receive an in-depth explanation of the ENERGY STAR Program, how it operates, and the opportunities available to Weatherization Providers. Participants will be given an opportunity to interact with the presenters and can expect to:

- Learn how the two programs have worked together over the past three years and the results of the partnership;
- Hear results of a case study;
- Learn about the new tool developed for online enrollment in the program, how to make a bulk purchase, and how to contact partners;
- Learn how ENERGY STAR partners can deliver ENERGY STAR qualified refrigerators and CFLs directly to the homes of Weatherization clients; and how removal and disposal of the old refrigerator units is provided in an environmentally responsible manner;
- Hear how some states are benefiting from these arrangements; and,
- Learn about plans for other product purchasing arrangements.

Presenters: **Wendi Kamtman**, D&R International, Ltd., Silver Spring, MD; **Kyle Phillips**, Whirlpool Corporation, Knoxville, TN; **Melissa Podeszwa**, U.S. Department of Energy, Seattle, WA; **Helene Tullo**, Sears Contract Sales, Hoffman Estates, IL

What States Need to Know About Local Agency Financial Management

Session Leader: **Cherry Ivey**, Georgia Environmental Facilities Authority, Atlanta, GA

The session will cover a standardized curriculum for training of local agency staff on the financial management of weatherization programs. Included in the session will be a presentation on effective monitoring of local agency financial operations.

By attending this session, participants will:

- Discuss issues encountered by local agencies in the financial management of the weatherization program.

Presenter: **Susan White**, ACKCO Arizona Indian Professional Services, Phoenix, AZ

12:15 p.m. – 1:45 p.m.

Lunch in Exhibit Hall

1:45 p.m. – 3:15 p.m.

Concurrent Sessions 2

Biobased Weatherization Products

Session Leader: **Eric Beaton**, U.S. Department of Energy, Boston, MA

By attending this session, participants will:

- Learn about available biobased weatherization materials and their benefit to WAP;
- Learn how biobased products such as biobased insulation have advanced technologically to the point

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where they can replace petroleum-based products;

- Learn which biobased products meet Appendix A and other DOE, ASTM, etc. requirements for use in the WAP; and,
- Learn how transitioning to biobased products reduces our reliance on foreign oil and can help reduce air emissions and hazardous waste disposal clean up costs.

Presenters: **Sandra Cannon**, Pacific Northwest National Laboratory, Richland, WA; **Mark Decot**, U.S. Department of Energy, Washington, DC

Building Data Entry Issues in NEAT/MHEA and Transitioning to Version 8

Session Leader: TBD

This session will discuss common problems that arise in entering house audit data into NEAT and MHEA and how to solve them. This session will also review changes in building description data implemented in the Version 8 release to reduce data entry problems and improve accuracy. The Weatherization Assistant is the umbrella program for DOE's family of energy audit programs, which includes NEAT and MHEA. Version 8 of the program will be released this summer.

By attending this session, participants will:

- Learn how to avoid common mistakes made by agencies in entering house audit data into NEAT and MHEA; and,
- Be introduced to building description data fields changed in Version 8 that expand NEAT's and MHEA's capabilities, increase their flexibility and clarity, and improve their accuracy.

This session is intended for experienced users of the Weatherization Assistant.

Presenters: **Mike Gettings** and **Mark Ternes**, Oak Ridge National Laboratory, Oak Ridge, TN

Client Education/Interaction with Clients with Disabilities and Other Special Needs

Session Leader: **Christine Taylor**, Iowa Weatherization Bureau, Division of Community Action Agencies, Des Moines, IA

This session will address how to communicate effectively with clients that have special needs and circumstances. This session will include specialized training and tips on a variety of ways to present energy education, communications, respecting space, service animals, and other unique issues.

Presenters: **Duane Griffus**, Capital Area Community Services, Lansing, MI; **Loretta Jones**, Louisiana Department of Health and Hospitals, New Orleans, LA; **Payson Tilden**, Oakland Livingston Human Services Agency/Venture, Inc., Pontiac, MI

Electrical Safety (Part 1 of 2)

Session Leader: **Bev Weaver**, Erie County Housing Authority, Corry, PA

By attending this session, participants will:

- Learn to recognize electrical hazards such as knob-and-tube wiring and unsafe wiring; and,
- Learn what safety measures Weatherization agencies need to incorporate into their programs to ensure the safety of workers and occupants.

Presenter: **Larry Armanda**, Pennsylvania College of Technology, Weatherization Training Center, Williamsport, PA

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Field Data Collection

Session Leader: **Rees Byars**, South Carolina's Governor's Office – Office of Economic Opportunity, Columbia, SC

By attending this session, participants will:

- Learn the practical use of the latest electronic tools such as tablet PC's, PDA's, and Palm Pilots; and,
- Learn how these tools can be used to ease the burden of data collection, energy assessment, reporting, and project management.

Presenter: **Bill Owens**, Franklin-Vance-Warren Opportunity, Inc., Henderson, NC

Hydronic/Boiler Heating Systems (Single Family/Multi Family)

Session Leader: TBD

By attending this session, participants will:

- Learn the ins and outs of hydronic heating and boiler safety; and,
- Gain knowledge on bleeding the system and how to control hot water heat.

Presenter: **Jeff Eichenwald**, Housing Conservation Coordinators, New York, NY

Managing Today's WAP (Part 1 of 2)

Session Leader: TBD

The technical and production requirements of today's weatherization program test the skills and expertise of the weatherization team every day. This session will explore techniques to better utilize staff while creating a more rewarding work atmosphere.

By attending this session, participants will:

- Recognize systems created to support field staff in making decisions and setting and achieving program goals; and,
- Learn how the "no orphans" systems implemented by The Opportunity Council have helped this agency maintain production, provide high quality service, continually improve program service, and retain staff while implementing innovative projects.

Presenters: **Dave Finet**, The Opportunity Council, Inc., Bellingham, WA

Pressure Balancing Structures (Part 1 of 2)

Session Leader: **Marco Cruz**, Texas Department of Housing and Community Affairs, Austin, TX

This course will explain how to conduct a pressure diagnostics test that verifies a pressure balance problem exists. This class will also show what techniques are used to correct pressure problems and how to determine the best practice for correcting problems. Worse case problems, appliance zone pressure problems, combustion appliance draft issues, room and zone pressure along with HVAC air-flow balancing issues will be discussed. The presenters will explain how these problems could be related and how the fixes, in many cases, are the same. Understand the tools used for testing and methods used to fix the problems.

By attending this session, participants will:

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- Learn basic HVAC air balancing diagnostics procedures;
- Learn how to diagnose and test dwellings with pressure problems;
- Learn how to apply cost effective solutions to pressure problems that you encounter; and,
- Gain an understanding of the effects of duct leakage, interior door closure, exhaust fans, and combustion appliances have on pressure problems in a dwelling.

Presenters: **Tom Brodbeck**, Multnomah County's Office of School and Community Partnerships, Portland, OR; **Vincent Pacheco**, Community Services Consortium, Corvallis, OR

State Level Weatherization Program Evaluations

Session Leader: **Paul Younginer**, South Carolina's Governor's Office – Office of Economic Opportunity, Columbia, SC

By attending this session, participants will:

- Hear about the results and lessons learned from a variety of weatherization program evaluations;
- Find out about the energy savings associated with common program measures such as wall and attic insulation and air sealing and how these savings vary from audit predictions; and,
- Learn more about what's involved in program evaluation, the pros and cons of different evaluation approaches, caveats for working with evaluation consultants, and some innovative efforts to bring evaluation in-house.

Presenter: **Michael Blasnik**, Michael Blasnik and Associates, Boston, MA

State Monitoring (Part 1 of 2)

Session Leader: **Bob Scott**, Governor's Office of Economic Opportunity, Charleston, WV

In the first half of the session, there will be an introductory review of DOE guidance on monitoring, monitoring recommendations developed in a Peer Exchange of monitors and trainers in the Mid-Atlantic Region, and a review and comparison of State procedures from Utah, New Jersey, and West Virginia. These states will describe their monitoring procedures including the following topics:

- Different types of monitoring reviews performed;
- Format of monitoring reports;
- What is left at the agency at the end of the visit – draft report or nothing?
- Turnaround time for finalizing reports and sending them to the agency;
- Form tools or “report cards” in use;
- Follow-up systems to ensure that “findings are addressed; and
- Best practices.

Presenters: **Shirley Curry**, New Jersey Department of Community Affairs, Trenton, NJ; **Bob Scott**, Governor's Office of Economic Opportunity, Charleston, WV; **Gary Spangenberg**, Utah Division of Community Development, Salt Lake City, UT

Tools and Tricks of the Trade - Gizmos, Gadgets, and Whizbangs (Part 1 of 2)

Session Leader: **Cal Steiner**, North Dakota Department of Commerce, Bismarck, ND

By attending this session, participants will:

- Learn about tools, tricks, tips, and techniques for saving time and money on the job;
- See new, and often Weatherization-invented tools, materials, and methods that are innovative; and,

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- See how other regions address challenging situations.

Presenter: **Cal Steiner**, North Dakota Department of Commerce, Bismarck, ND

Training & Technical Assistance on the National, Regional, State, and Local Levels

Session Leader: **Leslie Campanella**, California Department of Community Services and Development, Sacramento, CA

By attending this session, participants will:

- Learn what the training & technical assistance needs are at all levels in the Weatherization program;
- Learn how these needs can best be addressed; and,
- Learn how training & technical assistance funds are currently spent.

Presenters: **Jean M. Diggs**, U.S. Department of Energy, Washington, DC; **Joel Eisenberg**, Oak Ridge National Laboratory, Washington, DC; **Alex Moore**, D&R International, Ltd., Silver Spring, MD

3:15 p.m. – 3:45 p.m.

Break

3:45 p.m. – 5:15 p.m.

Concurrent Sessions 3

Electrical Safety (Part 2 of 2)

Electric Utility Consumption Analysis: Why It Matters and How to Do It

Session Leader: **Lois Pasquerella**, U.S. Department of Energy, Boston, MA

By attending this session, participants will:

- Learn the implications of utilizing electric billing history analysis for customers, utilities, and society alike;
- Learn how to analyze a customer's billing history for fun (at least for some) and profit (for all);
- How to do both short and long term utility analysis for targeting purposes; and,
- Review Web-based data collection: Arizona's experience.

Presenters: **Charlie Gohman**, Arizona Department of Commerce Energy Office, Phoenix, AZ; **Ken Tohinaka**, Vermont Energy Investment Corporation, Burlington, VT

Health Hazards for Crews and What to Do When You Encounter Dangerous Clients

Session Leader: **TBD**

By attending this session, participants will:

- Recognize health hazards such as rats, raw sewage, bats, bugs, and crawlspace solutions;
- Recognize key indicators of dangerous clients and situations;
- Recognize practical strategies for what to do when coming face-to-face with these types of clients or situations; and,
- Learn when to walk away and when to report dangerous situations.

Presenter: **TBD**

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Heating Systems for Non-Technical People

Session Leader: **Bill Beachy**, New River Center for Energy Research and Training/Community Housing Partners, Christiansburg, VA

By attending this session, participants will:

- Be introduced to common testing and repairs done on combustion appliances by Weatherization Programs;
- Learn basic information about combustion analysis equipment and its use;
- Learn common problems and solutions encountered in the field;
- Be able to understand the technical aspects their crews and contractors encounter on heating systems.

Presenter: **Rich Moore**, Invisible Energy, Denver, CO

How to Effectively Get the Weatherization Message Out!

Session Leader: **Tom Carey**, New York Division of Housing and Community Renewal, Albany, NY

By attending this session, participants will:

- Gain an understanding of various public relations options to promote Weatherization both inside and outside of the WAP network; and,
- Hear public relations examples addressing Weatherization Day, WAP Expos, and Technical Exchange Fairs.

Presenters: **Suzanne Harmelink**, Wisconsin Energy Conservation Corporation, Madison, WI; **Candy Roman**, Arkansas Department of Human Services, Little Rock, AR; **Billy Weitzenfeld**, Association of Energy Conservation Professionals, Floyd, VA

Managing Today's WAP (Part 2 of 2)

NEAT/MHEA Parameter Sets: Data Entry Issues and Transitioning to Version 8

Session Leader: **Jim McAteer**, Maryland Department of Housing and Community Development, Crownsville, MD

This session will discuss common problems that arise in entering material costs, fuel costs, and other general information into NEAT's and MHEA's setup parameters and how to solve them. This session will also review the new format used in the Version 8 release for entering this information. The Weatherization Assistant is the umbrella program for DOE's family of energy audit programs, which includes NEAT and MHEA. Version 8 of the program was released this summer.

By attending this session, participants will:

- Learn, in detail, about the various formats required by NEAT and MHEA for entering cost information for each weatherization measure;
- Be introduced to methods for analyzing actual agency weatherization cost data for previous homes to calculate the cost information needed by NEAT and MHEA;
- Become aware of how to address other issues such as fuel costs that change seasonally, entering user defined insulations, and setting up refrigerator databases; and,
- Hear how the format for entering some of this information has changed in Version 8.

This session is intended for experienced users of the Weatherization Assistant.

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Presenters: **Mike Gettings** and **Mark Ternes**, Oak Ridge National Laboratory, Oak Ridge, TN

Pressure Balancing Structures (Part 2 of 2)

State Monitoring (Part 2 of 2)

Session Leader: **Bob Scott**, Governor's Office of Economic Opportunity, Charleston, WV

The second half of the session will first focus on a DOE initiative being performed by Alex Moore to develop technical monitoring checklists to assist monitors with varying degrees of technical expertise or non-technical backgrounds. Input will be sought from session participants on technical skills required to achieve four increasing levels of monitoring proficiency that have been drafted to standardize and clarify requirements for technical monitoring.

By attending this session, participants will:

- See the presenters demonstrate a relatively simple Excel spreadsheet energy savings evaluation developed by Joel Eisenberg to evaluate a utility program in West Virginia; and,
- Find a means to do a quality savings evaluation in-house for states that have not done savings evaluations, want to do evaluations but were unable to afford the cost, or may have just been intimidated by the scope of the project.

Presenters: **Joel Eisenberg**, Oak Ridge National Laboratory, Washington, DC; **Alex Moore**, D&R International, Ltd., Silver Spring, MD; **Bob Scott**, Governor's Office of Economic Opportunity, Charleston, WV

Stress Management

Session Leader: **Beth Cahall**, U.S. Department of Energy, Philadelphia, PA

By attending this session, participants will:

- Explore how stress may be affecting you;
- Be able to identify signs and symptoms of stress; and,
- Receive tools and techniques to help you live stress-free.

Presenter: **James Etta Reed**, Pennsylvania Department of Community and Economic Development, Harrisburg, PA

Tools and Tricks of the Trade - Gizmos, Gadgets, and Whizbangs (Part 2 of 2)

Tribal Partnerships: Serving American Indians

Session Leader: **Carole Gates**, U.S. Department of Energy, Seattle, WA

By attending this session, participants will:

- Examine the successful delivery of Weatherization services to American Indians on and off tribal lands;
- Review existing partnerships between tribal and local WAP agencies; and,
- Gain decision-making tools on how to best serve American Indians in your community.

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Presenters: **Tony Gill**, Maine State Housing Authority, Augusta, ME; **Val Martinez**, Redwood Community Action Agency, Eureka, CA; **Jeannette Nelson**, California Department of Community Services & Development, Hoopa, CA; **Julie Palakovich**, Washington Department of Community, Trade and Economic Development, Olympia, WA

5:15 p.m. – 7:00 p.m.

Conference Reception

Tuesday, December 13th

7:00 a.m. – 6:00 p.m.

Registration/Information Desk Open

7:00 a.m. – 8:30 a.m.

Breakfast

8:30 a.m. – 11:15 a.m.

Programmatic, Technical, and Exhibitor Demonstrations

8:30 a.m. – 9:15 a.m.

Round 1

Insert Round 1 Map Here

2-Part Foam Demonstration

This session is always a crowd pleaser as the presenter demonstrates techniques on how to do air sealing with two-part foam.

A Boiler for Every Home - The ultimate heating system retrofit.

It isn't every day that you have a boiler expert "in the house." Jeff Eichenwald is here to let you know the advantages combined heating/DHW boilers and power burners have over atmospherically fired gas furnaces. Here is your opportunity to find out the latest technologies in boiler/burner equipment and find out the health and safety benefits of using boilers, especially in forced air systems.

Advanced Dense Pack Cellulose Insulation

What the heck can we do to ensure that wall insulation work is being completed properly when we can't see it? There are a number of simple – and some complex – methods of ensuring that insulation is installed effectively. Andy Cordova and Rick Karg are ready to share their techniques with you, explain the proper insulation density, installation technique, machine capacity, and machine settings, and, (with the help of demo wall panels), show what actually happens with different tubing methods, nozzles, and machine settings.

Air Conditioner Maintenance

The presenter will demonstrate basic air conditioner maintenance that WAP technicians can perform without being certified in refrigerant recovery. Measures such as cleaning the unit and condenser coil, cleaning and straightening the fins, and checking the unit's drain channels will be demonstrated.

Biobased Roofing and Caulk Demo

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Watch Grant Gable demonstrate reflective roof coating (ELMS) and self-sealing adhesive for seams and joints of metal roofing like that on mobile homes--both approved for use on Weatherization Assistance Program projects. ELMS reduces energy use, meets the Energy Star standards and as added benefits is 100% waterproof even under ponding water; 100% resistant to mold, algae, and bacteria; can be installed on existing roofing substrates in a single coat application (which eliminates the need to remove and landfill roofing materials); and helps the nation reduce imported petroleum because it is made from soy instead of oil. Come see why ELMS is not just replacing petroleum based roofing and offering energy conservation and waterproofing solutions but is outperforming many common products on the market. At Green Products, it's soy science, not rocket science. Come see for yourself the product that might be just the answer you are looking for.

Caring for your Combustion/CO Digital Analyzers

Participants will gain information on the proper care, maintenance and operation of their portable combustion/CO digital analyzers. Highlighted in the presentation will be a review of the new technologies now available in these instruments and how you can reduce the cost of ownership and service with the proper care of your investment. In addition, understanding the analyzer's full capabilities and measurements will be part of the presentation.

Client Education for Clients (2 Parts)

Debbie Haycock has developed client education materials that actually meet the clients' needs. Broken into two segments, she will share how agency staff should communicate what clients should expect from the weatherization agency, what the home auditor does, and what the crew will be doing to their homes. And, how to let the clients know what we expect from them with regard to safety issues, pets, etc.

Demonstration of the New Weatherization Assistant (NEAT/MHEA) Software and Q&A

Come see and hear about the new features added to the latest version of the Weatherization Assistant (NEAT/MHEA)! The software designers will also be available to answer your questions about previous or future versions.

Digital Camera

What happened to "point and shoot" technology? The benefits of going digital are outstanding, but, there is a "science" to getting good pictures. Learn how to use a digital camera effectively by using options and features that digital cameras provide. Don't miss this opportunity to bring your own cameras and take advantage of this presenter's expertise.

Electric Baseload Metering Tools

In this demonstration, Todd Hoener will allow participants to see and use electrical monitoring instruments and testing equipment. As if that weren't enough, participants will also learn about tools and techniques for estimating and measuring energy use of almost any electric device or appliance and review safety issues.

How to weatherize fireplaces and why this is such an important issue

The fireplace can account for up to 30% of air leakage in a typical home. Heated and cooled air leaks out of the house through the fireplace like an open window! Mark Tyrol will discuss the latest products and techniques for quickly and easily sealing the fireplace with a reusable plug.

Infrared Camera

Monroe Infrared will display an infrared camera, show actual images, and discuss examples of how infrared technology can be used.

Lead Safe Weatherization

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The State California's Lead-Safe Weatherization training video "Working With Lead *For Life!*" provides information and practical techniques for working with presumed lead based painted surfaces during the weatherization and home repair process. The 30-minute video covers preparation, containment and cleaning as well as personnel protection.

Mold Awareness Training

This session will allow participants to preview the Mold Awareness Training created for the Weatherization Network that will be distributed at the National Conference. Staff will be available to review the content of the training and answer any questions about its use. The majority of the session will allow for a hands on review of the training.

New Opportunities with Condensing Gas Furnaces in Older Mobile Homes

NORDYNE will perform an actual M3RL installation using an actual M3RL furnace on a mock up of a floor/back wall/ceiling of a typical 15-year-old home.

PowerPoint

"Presentation is Everything" -- so they say! And, the "go to" software when someone needs to do a presentation is PowerPoint. There is a reason why this is the selected tool to design and deliver presentations and Sara Nicol will be able to unlock the mysteries of developing an effective presentation in this session.

Roofing Tiles for Mobile Homes (Tentative)

Description to follow

Spray Cellulose Insulation

"Spray Cellulose" Hands-on spray cellulose training. Set-up, spray techniques for thermal and acoustic spray. "Mike will discuss and demonstrate "New Strategies for Cellulose" including "Air Sealing with Spray Cellulose" and "Whole House Cellulose Insulation".

Understanding Whole House Weatherization for Non-Technical Staff

Lil Weston is ready, willing, and able to breakdown principles of whole house weatherization, viewing the house as a system, and the tools/diagnostics used to complete work to the principles. For non-technical staff working in a technical program like Weatherization, this is a great primer/refreshers for the "why" that precedes the "how" for proven cost-effective weatherization measures. This will also give non-technical staff the understanding and confidence to discuss diagnostic tools including the blower door, manometer, pressure pan, and others used to assess, measure, complete, and inspect this work.

Weatherization Plus

With a team of colleagues from across the country representing the interests of all segments of this network, the Department of Energy is embarking on the rejuvenation of the Weatherization Plus. This evolution of the Program is very natural as we strive to meet the needs of our client population. Join members of the Weatherization Plus Planning Committee to discuss where we want to be five years from now and how you can be involved in shaping Weatherization's future.

Wood Burning Heat Source Technologies

Wood burning heat is still used widely throughout the country and not uncommon in low-income housing stock. Here is your chance to explore this issue with Rodger Castleberry from US Stoves, view UL models for mobile homes, find out what are the EPA approved models, discuss sizing for living space, and discuss various fuel types.

9:15 a.m. - 9:30 a.m.

Interlude

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9:30 a.m. – 10:15 a.m.

Round 2

Insert Round 2 Map

Appropriate, Low-Cost Strategies for Storm Window Construction

Weatherization has come a long way from the program that routinely installed storm windows, but there are still certain situations where the audit confirms that it is appropriate to put in a storm window. In this demonstration, Steve Getz and Rick Hills will show how to do storm window construction using a Fletcher table; an on-site, table-less, "Free Hand" cutting Technique; and, using insulated glass.

Biobased Roofing and Caulk Demo

Watch Grant Gable demonstrate reflective roof coating (ELMS) and self-sealing adhesive for seams and joints of metal roofing like that on mobile homes--both approved for use on Weatherization Assistance Program projects. ELMS reduces energy use, meets the Energy Star standards and as added benefits is 100% waterproof even under ponding water; 100% resistant to mold, algae, and bacteria; can be installed on existing roofing substrates in a single coat application (which eliminates the need to remove and landfill roofing materials); and helps the nation reduce imported petroleum because it is made from soy instead of oil. Come see why ELMS is not just replacing petroleum based roofing and offering energy conservation and waterproofing solutions but is outperforming many common products on the market. At Green Products, it's soy science, not rocket science. Come see for yourself the product that might be just the answer you are looking for.

Carbon Monoxide Show and Tell

You aren't going to want to miss this!! George Kerr will discuss with participants in this round the FLAWS in UL-2034 will help you understand the poor quality of most currently available CO alarms.

Caring for your Combustion/CO Digital Analyzers

Participants will gain information on the proper care, maintenance and operation of their portable combustion/CO digital analyzers. Highlighted in the presentation will be a review of the new technologies now available in these instruments and how you can reduce the cost of ownership and service with the proper care of your investment. In addition, understanding the analyzer's full capabilities and measurements will be part of the presentation.

Client Education for Clients (2 Parts)

Debbie Haycock has developed client education materials that actually meet the clients' needs. Broken into two segments, she will share how agency staff should communicate what clients should expect from the weatherization agency, what the home auditor does, and what the crew will be doing to their homes. And, how to let the clients know what we expect from them with regard to safety issues, pets, etc.

Demonstration of the New Weatherization Assistant (NEAT/MHEA) Software and Q&A

Come see and hear about the new features added to the latest version of the Weatherization Assistant (NEAT/MHEA)! The software designers will also be available to answer your questions about previous or future versions.

Door Installation

During this demonstration, Elixir, using a frame and door, will show the correct installation procedure as well as how to seal the door once it is installed.

Electric Baseload Metering Tools

In this demonstration, Todd Hoener will allow participants to see and use electrical monitoring instruments and testing equipment. As if that weren't enough, participants will also learn about tools and techniques for

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estimating and measuring energy use of almost any electric device or appliance and review safety issues.

Heating Systems for Non-Technical People

You won't want to miss Rich Moore's introduction to common testing and repairs done on combustion appliances by Weatherization Programs. For those non-technical types that work in a technical program, this is a great opportunity to learn basic information about combustion analysis equipment and its use, understand common problems and solutions encountered in the field, and be able to understand the technical aspects the crews and contractors encounter on heating systems.

How to weatherize fireplaces and why this is such an important issue

The fireplace can account for up to 30% of air leakage in a typical home. Heated and cooled air leaks out of the house through the fireplace like an open window! Mark Tyrol will discuss the latest products and techniques for quickly and easily sealing the fireplace with a reusable plug.

Infrared Camera

Monroe Infrared will display an infrared camera, show actual images, and discuss examples of how infrared technology can be used.

Lead Safe Weatherization

The State California's Lead-Safe Weatherization training video "*Working With Lead For Life!*" provides information and practical techniques for working with presumed lead based painted surfaces during the weatherization and home repair process. The 30-minute video covers preparation, containment and cleaning as well as personnel protection.

Mold Awareness Training

This session will allow participants to preview the Mold Awareness Training created for the Weatherization Network that will be distributed at the National Conference. Staff will be available to review the content of the training and answer any questions about its use. The majority of the session will allow for a hands on review of the training.

PIC Weatherization Day Roundtable

With Weatherization Day coming up in October, now is your chance to get expert advice from individuals that have worked on Weatherization Day events for several years! Lisa Kesecker, Payson Tilden, and Bob Adams are ready to explore your ideas with you and share what other states and locals have done across the country (and the resources available) to put on successful Weatherization Day events.

PowerPoint

"Presentation is Everything" -- so they say! And, the "go to" software when someone needs to do a presentation is PowerPoint. There is a reason why this is the selected tool to design and deliver presentations and Sara Nicol will be able to unlock the mysteries of developing an effective presentation in this session.

Refrigerator Metering

Learn about the basics of refrigerator metering through a hands-on demonstration with _____

Roofing Tiles for Mobile Homes (Tentative)

Description to follow

Spray Cellulose Insulation

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"Spray Cellulose" Hands-on spray cellulose training. Set-up, spray techniques for thermal and acoustic spray. "Mike will discuss and demonstrate "New Strategies for Cellulose" including "Air Sealing with Spray Cellulose" and "Whole House Cellulose Insulation".

Water Heaters

The Water Heater is a critical component of the home's energy usage. This is your chance to discuss proper set-up and updated codes. Don't miss this opportunity to discuss drafting (existing or orphaned after furnace change), health and safety concerns (including CO), how and when to consider fuel-switching, new/emerging technologies, and how Joe Hall at Sun Power, Inc. is using their REACH funding in this area.

Weatherization Plus

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Wood Stove Inspections/Installing Flue Lining

John Langford is our "resident expert" in wood stoves. Now is your opportunity to learn how to conduct an evaluation of wood stoves and discuss with him the protocol for replacement.

10:15 a.m. – 10:30 a.m.

Interlude

10:30 a.m. – 11:15 a.m.

Round 3

Insert Round 3 Map

2-Part Foam Demonstration

This session is always a crowd pleaser as the presenter demonstrates techniques on how to do air sealing with two-part foam.

A Boiler for Every Home - The ultimate heating system retrofit.

It isn't every day that you have a boiler expert "in the house." Jeff Eichenwald is here to let you know the advantages combined heating/DHW boilers and power burners have over atmospherically fired gas furnaces. Here is your opportunity to find out the latest technologies in boiler/burner equipment and find out the health and safety benefits of using boilers, especially in forced air systems.

Advanced Dense Pack Cellulose Insulation

What the heck can we do to ensure that wall insulation work is being completed properly when we can't see it? There are a number of simple – and some complex – methods of ensuring that insulation is installed effectively. Andy Cordova and Rick Karg are ready to share their techniques with you, explain the proper insulation density, installation technique, machine capacity, and machine settings, and, (with the help of demo wall panels), show what actually happens with different tubing methods, nozzles, and machine settings.

Air Conditioner Maintenance

The presenter will demonstrate basic air conditioner maintenance that WAP technicians can perform without being certified in refrigerant recovery. Measures such as cleaning the unit and condenser coil, cleaning and straightening the fins, and checking the unit's drain channels will be demonstrated.

Appropriate, Low-Cost Strategies for Storm Window Construction

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Come see and hear about the new features added to the latest version of the Weatherization Assistant (NEAT/MHEA)! The software designers will also be available to answer your questions about previous or future versions.

Digital Camera

What happened to "point and shoot" technology? The benefits of going digital are outstanding, but, there is a "science" to getting good pictures. Learn how to use a digital camera effectively by using options and features that digital cameras provide. Don't miss this opportunity to bring your own cameras and take advantage of this presenter's expertise.

Evaporative Cooling Demonstration Project

Sweltering heat of summer has long been a national health concern. Learn how the state of Colorado is using REACH funding to provide relief for the elderly and disabled clients of this Rocky Mountain state through this pilot project. Mike Martinez and Brenda Evangelista of Sun Power provide insightful information on one states approach to this problem.

How to weatherize fireplaces and why this is such an important issue

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This session will allow participants to preview the Mold Awareness Training created for the Weatherization Network that will be distributed at the National Conference. Staff will be available to review the content of the training and answer any questions about its use. The majority of the session will allow for a hands on review of the training.

New Opportunities with Condensing Gas Furnaces in Older Mobile Homes

NORDYNE will perform an actual M3RL installation using an actual M3RL furnace on a mock up of a floor/back wall/ceiling of a typical 15-year-old home.

PowerPoint

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Roofing Tiles for Mobile Homes (Tentative)

Description to follow

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Understanding Whole House Weatherization for Non-Technical Staff

Lil Weston is ready, willing, and able to breakdown principles of whole house weatherization, viewing the house as a system, and the tools/diagnostics used to complete work to the principles. For non-technical staff working in a technical program like Weatherization, this is a great primer/refreshers for the "why" that precedes the "how" for proven cost-effective weatherization measures. This will also give non-technical staff the understanding and confidence to discuss diagnostic tools including the blower door, manometer, pressure pan, and others used to assess, measure, complete, and inspect this work.

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11:30 a.m. – 1:15 p.m.

Awards Lunch

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Acknowledgements

Richard M. Saul Lifetime Achievement Award Presentation

The Weatherization Program has numerous unsung heroes. Every day our network has the opportunity to influence the quality of individual lives. Richard "Dick" M. Saul believed in, and advocated for, the tenets that are the foundation of the Weatherization Program. Responding to the 1973 energy crisis, he conceived the idea

of insulating homes of the poor and funded a pilot project that was the first step toward establishing the comprehensive federal Weatherization Assistance Program. The Weatherization network sadly said goodbye to Dick Saul this winter. In honor of his enthusiasm, dedication, and commitment to the Weatherization Program, this year's Planning Committee presents the first Richard M. Saul Lifetime Achievement Award to his family.

National Recognition Awards

There are countless examples of outstanding work in the area of Weatherization! Nominated by their peers, individuals and agencies have been selected to receive National Recognition Awards for their outstanding contributions to the Weatherization network.

Entergy Partnership Award

Vendor Drawings

Door Prizes/Announcements

11:30 a.m. – 5:00 p.m.

Exhibitor Breakdown

1:30 p.m. – 3:00 p.m.

Concurrent Sessions 4

Are You Covered? Insurance Questions and Answers

Session Leader: **Bob Adams**, National Association for State Community Services Programs, Washington, DC

By attending this session, participants will:

- Learn about the various types of coverage required for WAP local agencies and their contractors;
- Learn about how coverage is offered and about insurance terms of the industry; and,
- Hear from select brokers and underwriters on how insurance is purchased and coverage is arranged.

Presenter: **Matthew Wallace**, BC Environmental Insurance Brokers, Inc., El Dorado Hills, CA

Best Practices for Weatherization Manuals

Session Leader: **Eddy Haber**, Department of Public Aid, Springfield, IL

State weatherization programs have increasingly developed or revised their weatherization standards over the past few years. The eight states comprising the Midwest Region are no exception. In 2002, the DOE Midwest Regional Office decided to develop a Midwest Weatherization Best Practices Field Guide to help guide the states in this process. The goals of the project were to:

- Develop a comprehensive set of voluntary best practice recommendations for diagnostic assessments, installation practices, health and safety issues, and final inspection tests;
- Obtain consensus from the eight Midwest states that these recommendations represent best weatherization practices for the region; and,
- Provide the best practices to the states as a resource for developing or updating their standards.

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The Best Practices Field Guide was completed in July 2005. This session will review the process used to arrive at the best practices recommendations. The recommendations will be presented and discussed.

Presenters: **Rick Karg**, R.J. Karg Associates, Topsham, ME; **Paul Knight**, Domus PLUS, Oak Park, IL

EA-QUIP

Session Leader: **Clarice Sabree-Sylla**, New Jersey Department of Community Affairs, Trenton, NJ

By attending this session, participants will:

- See the features of the Windows version of EA-QUIP;
- Learn where to get EA-QUIP; and,
- Discover EA-QUIP training opportunities.

Presenters: **David Hepinstall** and **Asit Patel**, Association for Energy Affordability, Inc., New York, NY

Financial Management Training (Part 1 of 2)

Session Leader: **Jean M. Diggs**, U.S. Department of Energy, Washington, DC

The session covers the implementation of 10 CFR 600 financial management regulations and cost principles into the overall operations of the weatherization program. Specific areas to be addressed include financial management standards, cash management, program income, required procurement standards, cost allocation, and allowability of costs.

By attending this session, participants will:

Have the opportunity to discuss challenges faced in local agency financial operations; and,
Discuss methods for strengthening and streamlining financial operations.

Presenter: **Susan White**, ACKCO American Indian Professional Services, Phoenix, AZ

Lead Safe Weatherization and OSHA Worker Safety (Part 1 of 2)

Session Leader: **Daniel Grau**, New York State Division of Housing and Community Renewal, New York, NY

By attending this session, participants will:

- Learn Lead NID (Negative Initial Determination) and OSHA worker safety;
- Understand DOE's guidance for implementing Lead-Safe Weatherization (LSW);
- Review important lead-safe policies that need to be implemented in programs to ensure compliance; and,
- Preview a new training video on LSW.

Presenters: **Tom Barrett**, Richard Heath & Associates, Inc., Chico, CA; **James McGarvey**, New York State Weatherization Directors' Association, Syracuse, NY

Mobile Home Clinic - Attics

Session Leader: **Sherri Snider**, Delta Community Action Foundation, Inc., Purcell, OK

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By attending this session, participants will:

- Learn how to deal with mobile home attics;
- Discuss the pros and cons of various methods of opening up an attic as well as low impact methods of insulating mobile home attics; and,
- Review issues relating to moisture and pressures.

Presenters: **Rich Courtney**, Governor's Office of Economic Opportunity, Charleston, WV; **Cal Steiner**, North Dakota Department of Commerce, Bismarck, ND

Mold Training (Part 1 of 2)

Session Leader: **Luke Elliott**, Montana State University Extension Service, Bozeman, MT

If you deal with housing you can't avoid the topic of molds. Nationally, molds are affecting home sales, rental property, and homeowner insurance. Builders and remodelers are seeking ways to control moisture and molds and are concerned about liability. Congress as well as individual states are coping with this issue. As a result of extensive publicity and often-exaggerated claims, consumers are becoming very aware of and demanding solutions to the presence of any type or amount of mold. Weatherization is not exempt from potential problems caused by the presence of mold in homes and must make sure that weatherization practices do not contribute to the growth and spread of mold. This training is offered to all levels of weatherization professionals. The session will provide participants with resources that can be used in Weatherization Health and Safety plans, crew training, and client education.

The 3 hour session will include these topics:

Part I. General Overview of Molds

- What are Molds - Where do they come from and what factors create home molds?
- Health Effects of Molds
- Testing for Molds - is it really needed?
- Mold Prevention of Existing Homes
- Mitigation Strategies for Existing Homes

Part II. Weatherization Precautions to Molds

Part III. Hot Climate vs. Cold Climate Mold Influences

Part IV. Mold Resources

Presenter: **Michael Vogel**, Montana State University Extension Service, Bozeman, MT

PATHWAYS for Successful Tribal Weatherization

Session Leader: **Carole Gates**, U.S. Department of Energy, Seattle, WA

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By attending this session, participants will:

- Begin or enhance delivery of weatherization services to American Indians on Tribal Lands;
- Learn “Best Practices” based on real-life case studies;
- Gain valuable information about Tribal administrative protocol, cultural, and jurisdictional issues;
- Obtain Indian Client Education information;
- Identify other funding sources available to Tribes;
- Obtain a listing of Tribes, Tribal organizations, and appropriate contacts for your region; and,
- Obtain a copy of the new Handbook: Pathways for Successful Tribal Weatherization.

Presenter: **Dave Castillo**, Inter Tribal Council of Arizona, Inc., Phoenix, AZ; **James Jaime**, Affiliated Tribes of Northwest Indians-Economic Development Corporation, Seattle, WA

Regulatory and Legislative Arguments

Session Leader: **Menda Richardson**, DC Energy Office, Washington, DC

Regulators and legislators in the states make choices about prices, mergers, and deregulation that directly impact the poor.

By attending this session, participants will:

- Learn how to make the case for energy assistance and Weatherization;
- Learn to relate the situation in other states to those in your own; and,
- Discuss resources that can be used to advocate for the poor in PUCs and legislatures.

Presenters: **Joel Eisenberg**, Oak Ridge National Laboratory, Washington, DC; **Lisa Kesecker**, Governor's Office of Economic Opportunity, Moorefield, WV

Strategic Air Sealing with Dense Pack

Session Leader: **Paul Younginer**, South Carolina's Governor's Office – Office of Economic Opportunity, Columbia, SC

See the dense pack equipment and tools that make a difference in getting air sealing and insulation done quickly and effectively. Explore solutions to common air sealing challenges and how to overcome some of those challenges with dense pack insulation. Learn to identify areas where air sealing with dense pack is cost effective and an easier installation than other products. Understand why air sealing and insulating with dense pack needs to be done as an approach that addresses moisture, IAQ, and combustion safety concerns.

By attending this session, participants will:

- Learn alternative air sealing and duct sealing that use dense pack insulation;
- Learn proper equipment set-up, pressure testing, and use;
- Learn the benefits of using air sealing for dense pack; and,
- Gain knowledge of what is tight enough to be called dense pack.

Presenter: **Tom Brodbeck**, Multnomah County's Office of School and Community Partnerships, Portland, OR

Whole House Training for Field Trainers - Live Feed (Part 1 of 2)

Session Leader: **Bill Beachy**, Community Housing Partners Corporation/New River Center for Energy Research and Training, Christiansburg, VA

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With the technology available today, the presenters will be able to walk the participants in this session through the estimation process during a live telecast! Participants will be able to ask questions of the presenters and likewise the presenters will be able to demonstrate approaches on an actual house, compliments of satellite technology.

By attending this session, participants will:

- See whole house estimation being done;
- Interact with crew and auditor in the field; and,
- See examples of problems and areas needing to be addressed.

Presenters: **Bill Beachy and Anthony Cox**, Community Housing Partners Corporation/New River Center for Energy Research and Training, Christiansburg, VA; **John Langford**, J&J Weatherization, Lynchburg, VA

Why Should Utilities Fund Weatherization Programs: Successes that win for energy providers

Session Leader: **TBD**

Many utilities, both gas and electric, are contributing to partnerships with the Department of Energy Weatherization Assistance Program in their service territory. Most had to overcome some initial doubts about the value of these investments and discovered there are substantive gains for their own bottom line. This session offers the perspective of utility executives and former regulators about selling points for utility-weatherization partnerships that go far beyond community goodwill or mere compliance with regulation.

By attending this session, participants will:

- Learn the arguments that can persuade industry decision-makers;
- Issues that should be considered when designing roles for the partners; and,
- Procedures for validating that the partnership goals are met.

Presenter: **Wally Nixon**, Agents of Change, Little Rock, AR

3:00 p.m. – 3:30 p.m.

Break

3:30 p.m. – 5:00 p.m.

Concurrent Sessions 5

Financial Management Training (Part 2 of 2)

Doing Ducts Right

Session Leader: **TBD**

By attending this session, participants will:

- Understand what different duct tests measure and the tools needed to perform the tests;
- Be better able to troubleshoot a comfort complaint resulting from an inadequate duct system; and,
- Recognize how well intended changes in a duct system can cause problems for the HVAC system, house, or occupants.

Presenter: **Bruce Manclark**, Delta T, Inc., Eugene, OR

Dwelling Ventilation Strategies Including ASHRAE 62.2

Session Leader: **Thelma Arceo**, Community Environmental Center, Long Island, NY

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The new ASHRAE Standard 62.2-2004 may have a significant impact on low-income weatherization program procedures. This new Standard, "Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings," might influence the number of weatherized homes requiring continuous ventilation and it is likely to alter the way programs now use Building Tightness Limits. This session will cover the requirements of this new standard and the previous ASHRAE 62 Standard it replaces. Data from a ventilation pilot study by the Wisconsin Weatherization Program will be included along with a menu of solutions to ventilation in existing dwellings, including exhaust-only and balanced ventilation options.

By attending this session, participants will:

- Learn the procedures for ensuring compliance with ASHRAE 62 and ASHRAE 62.2 ventilation standards;
- Understand the differences between these two important ventilation standards; and,
- Learn about the menu of solutions for ensuring acceptable indoor air quality in weatherized dwellings.

Presenter: **Rick Karg**, R.J. Karg Associates, Topsham, ME

Lead Safe Weatherization and OSHA Worker Safety (Part 2 of 2)

Mobile Home Clinic - Belly

Session Leader: **Sherri Snider**, Delta Community Action Foundation, Inc., Purcell, OK

By attending this session, participants will:

- Hear a presentation on the latest and most proven methods of handling mobile home belly issues and duct work diagnosis;
- Learn tips and tricks of dealing with specific issues relevant to mobile homes; and,
- Pick up numerous ways to improve your program, be more effective and have a greater impact when dealing with mobile homes that are prevalent for many agencies.

Presenters: **Rich Courtney**, Governor's Office of Economic Opportunity, Charleston, WV; **Cal Steiner**, North Dakota Department of Commerce, Bismarck, ND

Mold Training (Part 2 of 2)

Natural Disasters: How to Use DOE's Policy

Session Leader: **Norm Gempel**, Florida Department of Community Affairs, Tallahassee, FL

By attending this session, participants will:

- Learn how Disaster Relief policy can be used by states and local agencies to assist communities when natural disasters occur; and,
- Hear from state and local agencies that have experienced natural disasters and assisted in the clean-up/reconstruction efforts that followed.

Presenters: **Leslie Campanella**, California Department of Community Services and Development, Sacramento, CA; **Julie Palakovich**, Washington Department of Community, Trade, and Economic Development, Olympia, WA

State and Local Information Systems

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Session Leader: **Rees Byars**, South Carolina's Governor's Office – Office of Economic Opportunity, Columbia, SC

In this facilitated peer-to-peer session, several states will discuss comprehensive local reporting software that includes multiple funding sources and/or coordinated with Community Action's CSBG information system; some include extensive client reports. Many others are considering new systems.

By attending this session, participants will:

- See different WAP information systems;
- Get updates on the CSBG/IS systems in the 750 CAA/WAP subgrantees;
- Share the strengths and weaknesses about the various systems; and,
- Get advice on moving forward.

Facilitated Roundtable Discussion

TREAT 3.0 - Takes Building Modeling By Storm

Session Leader: **Joe Guerrero**, Texas Department of Housing and Community Affairs, Austin, TX

TREAT is a comprehensive energy analysis tool that is designed to provide building modeling support for weatherization programs, building performance contractors and energy auditors. TREAT's analysis tools allow quick and accurate results calculating energy savings in interactive improvement packages. The newest version of TREAT introduces three powerful tools: the Project Wizard, Measurement and Inspection Wizards, and Preferences.

By attending this session, participants will learn to:

- Create models quickly and easily with building component libraries;
- Select improvements from libraries;
- Aggregate improvements into packages; and,
- Automatically calculate payback and SIR.

Presenter: **Gregory Thomas** and **Jon Harrod**, Performance Systems Development, Inc., Ithaca, NY

Weatherization for Multi-Family Buildings

Session Leader: **Jeff Ackermann**, Governor's Office of Energy Management and Conservation, Denver, CO

By attending this session, participants will:

- Experience a session taught by two presenters that make a living improving Multi-Family Buildings;
- Discuss past successes and failures;
- Explore the how to's and the how not's;
- Learn about identifying, qualifying, partnership leveraging, auditing tools, contractor selection and supervision, and commissioning; and,
- Determine that "Weatherization Works" in a big way - you too can become a multi-family specialist and help those who reside in these buildings.

Presenter: **Bill Angell**, Sun Power, Inc., Denver, CO; **David Hepinstall**, Association for Energy Affordability, Inc., New York, NY

Whole House Training for Field Trainers - Live Feed (Part 2 of 2)

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Wednesday, December 14th

7:00 a.m. – 12:00 noon

Registration/Information Desk Open

7:00 a.m. – 8:00 a.m.

Breakfast

8:15 a.m. – 9:45 a.m.

Concurrent Sessions 6

Efficient Audit Assessments Using the “12 Step Process”

Session Leader: **Andy Gray**, NH Office of Energy and Planning, Concord, NH

This session presents new techniques and technologies for improving the quality and efficiency of the weatherization energy audit. Hear perspectives on the subject from the point of view of a local weatherization agency and a state-funding agency. View new documents, film clips, digital photographs, and other materials used in the Illinois Home Weatherization Assistance Program to achieve the most effective assessment.

By attending this session, participants will:

- Learn the "12 Step Process" used to summarize an energy audit;
- Learn ways to maximize efficiency and quality of the weatherization energy audit process;
- See new multi-media materials and documents used for weatherization training; and,
- Find out how to get the most from the client interview to better understand how the building works.

Presenters: **Eddy Haber**, Department of Public Aid, Springfield, IL; **James Swise** and **Enis Wakefield**, Community & Economic Development Association of Cook County, Inc., Chicago, IL

Electric Baseload

Session Leader: **Luke Elliott**, Montana State University Extension Service, Bozeman, MT

By attending this session, participants will:

- Learn where 20-30% of household energy use goes;
- Understand cost effective ways to reduce baseload;
- Learn the in's and out's of successful refrigerator replacement programs; and,
- Learn when lighting replacement is cost effective and how to do it.

Presenters: **Todd Hoener**, Golden Valley Electric Association, Fairbanks, AK; **Gary Spangenberg**, Utah Division of Community Development, Salt Lake City, UT

Getting Around the Institutionalized Roadblocks Inherent with “Problem” Mobile Homes and Mobile Home Parks

Session Leader: **Leslie Campanella**, California Department of Community Service and Development, Sacramento, CA

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This panel will identify the institutionalized roadblocks that keep agencies from repairing or replacing “problem” mobile homes. It will compare how the structure of a mobile home park’s ownership influences an agency’s ability to help replace an unsound mobile home with weatherization or housing dollars. This comparison will include private, non-profit, and co-op owned parks.

By attending this session, participants will:

- Discuss how to bring utilities, local code enforcers, lenders, mobile home manufacturers, and park owners on board in a supportive partnership. *Awards will be given for original pictures of the most amazing mobile home (the best and the worst).*

Presenters: **Steve Jole**, Community Services Consortium, Corvallis, OR; **Colleen Neel**, Central Oregon Community Action Agency Network, Redmond, OR

High-Efficiency Furnaces

Session Leader: **Dennis Osmer**, Central Coast Energy Services, Watsonville, CA

By attending this session, participants will:

- Understand the savings possible by installing high-efficiency units;
- Learn the design differences between 90+ units and other systems; and,
- Understand the basic operations of 90+ high efficiency furnaces.

Presenters: **Stacy Keys**, Governor’s Office of Economic Opportunity, Charleston, WV; Rich Moore, Invisible Energy, Denver, CO

Managing Contractors (Part 1 of 2)

Session Leader: **Lawand Johnson**, Louisiana Housing Finance Agency, Baton Rouge, LA

By attending this session, participants will:

- Hear options for recruiting, selecting, and managing contractors to provide local WAP services;
- Hear options for contract provisions with contractors regarding contract implementation, e.g. bidding individual vs. blocks of jobs;
- Focus on the use of contractors with contracts in the \$50,000 - \$100,000 range; and,
- Discuss managing a small business.

Presenters: **John Hamilton**, Community & Economic Development Association of Cook County, Inc., Chicago, IL; **Robert T. Jackson**, Kansas City Neighborhood and Community Services Department, Kansas City, MO

Managing Inventory - Computer Systems (Part 1 of 2)

Session Leader: **Beverly Weaver**, Erie County Housing Authority, Corry, PA

If you are still using paper and pencil, an excel spreadsheet or already have an inventory system, but not tied to your total operation we invite you to attend this presentation. Learn from states that have recently gone to a database management system.

By attending this session, participants will:

- See how they utilize a single point of access tracking system; and,
- Be introduced to **WeatherEYES**, (created by HELP of Southern Nevada) a robust access database integrating all phases of the Weatherization Program.

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Presenters: **Lyn M. Bartges**, Governor's Office of Economic Opportunity, Charleston, WV; **Debra Gibson** and **Albert Weiss**, HELP of Southern Nevada, Las Vegas, NV

Mobile Home Clinic - Walls

Session Leader: **Sherri Snider**, Delta Community Action Foundation, Inc., Purcell, OK

By attending this session, participants will:

- Learn the latest, greatest, and most effective techniques for assessing and addressing mobile home walls;
- Find out what some of the leaders in weatherization are doing and what tools and methods are most effective; and,
- Be able to make the most effective choices and learn great field techniques to improve your productivity and the end result.

Presenters: **Cal Steiner**, North Dakota Department of Commerce, Bismarck, ND

Mold - Effective Policies and "Simple" Solutions

Session Leader: **Carole Gates**, U.S. Department of Energy, Seattle, WA

This session will be an overview of mold and moisture in relation to weatherization of homes. Participants will learn about the harmful effects and causes of mold and moisture and how to help prevent and remove mold in the home. Participants will also learn when not to weatherize.

Presenters: **Rees Byars** and **Paul Younginer**, South Carolina Governor's Office – Office of Economic Opportunity, Columbia, SC

Texas Field Study - Lessons Learned

Session Leader: **Joe Guerrero**, Texas Department of Housing and Community Affairs, Austin, TX

By attending this session, participants will:

- Learn about the Texas Field Studies which were conducted using advanced metering systems;
- Hear from the two partners - Oak Ridge National Laboratory and the State of Texas;
- Review the results of the study, including energy savings for heating, cooling, and appliances for selected homes in Texas; and,
- Learn about the surprising results and implications for hot climate weatherization.

Presenters: **Lance McCold**, Oak Ridge National Laboratory, Oak Ridge, TN

Train the Trainers (Part 1 of 2)

Session Leader: **Bill Beachy**, Community Housing Partners Corporation/New River Center for Energy Research and Training, Christiansburg, VA

This session will describe tasks involved in organizing a hands-on, off-site Weatherization technical training. A model developed by the New River Center for Energy Research and Training (NRCERT) and D&R International, Ltd. and used for training States as part of the Hot Climate Initiative will be shared. The Train the Trainers Live Feed off-site session will be used as an example of what is involved.

Presenters: **Bill Beachy** and **Anthony Cox**, Community Housing Partners Corporation/New River Center

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for Energy Research and Training, Christiansburg, VA

Understanding Whole House Weatherization for Non-Technical Staff

Session Leader: **Melissa Gallagher-Rogers**, U.S. Department of Energy, Washington, DC

By attending this session, participants will:

- Hear the principles of whole house weatherization, that house as a system and learn about tools/diagnostics used to complete work to the principles;
- Learn the "why" that precedes the "how" for proven cost-effective weatherization measures; and,
- See and hear about diagnostic tools to include the blower door, manometer, pressure pan and others used to assess, measure, complete, and inspect this work.

Presenter: **Lil Weston**, Community Housing Partners Corporation/New River Center for Energy Research and Training, Christiansburg, VA

Venting, Roof & Guttering, Estimating the Work & Pitch, Flat Roof Insulation

Session Leader: TBD

Attic venting is now optional. Reference to the FY05 standards new language on venting will be part of the workshop discussion. The workshop then moves to an explanation on how to estimate roof pitch, guttering, and general roof repair. Figuring how much material you need for the repair and some do's and don'ts will be explained. Rounding out this session is a discussion on flat roof insulation.

Presenters: **John Kiepora**, Community & Economic Development Association of Cook County, Inc., Chicago, IL

9:45 a.m. – 10:00 a.m.

Break

10:00 a.m. – 11:30 a.m.

Concurrent Sessions 7

Alternatives to Unvented Space Heaters

Session Leader: **Troy Branscum**, Arkansas Department of Human Services, Little Rock, AR

By attending this session, participants will:

- Learn the indoor quality and moisture problems associated with unvented space heaters;
- Learn solutions for removing unvented space heaters; and,
- Learn to install safe alternatives.

Presenter: **Rodger Castleberry**, United States Stove Company, South Pittsburg, TN; **John Langford**, J&J Weatherization, Lynchburg, VA

Combining WAP with NAHASDA: Weatherization on the edge in Tribal Groups

Session Leader: **Mimi Burbage**, Alaska Housing Finance Corporation, Anchorage, AK

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This presentation will highlight several projects that were done in Alaska combining DOE weatherization funds, RD grants, USDA Housing Preservation, various HUD monies, and NAHASDA funds. We will talk about some of the challenges of combining so many funding sources, and the rewards in terms of bringing technical training to local labor, increasing skills base, extending the renovation of each home, and creating collaborative efforts between agencies and tribal groups.

By attending this session, participants will:

- See how the Alaska WAP delivered services to the several native communities and the strong partnerships that have been formed with the Tribally Designated Housing Entities within those communities;
- Learn to overcoming obstacles to working with NAHASDA and other federal funds; and,
- Discuss protocols for successful interaction with tribes.

Presenters: **Daniel Berube** and **Mimi Burbage**, Alaska Housing Finance Corporation, Anchorage, AK; **Ralph Lee**, Rural Alaska Community Action Program, Anchorage, AK

Hot Climate Non-Mechanical Cooling Strategies

Session Leader: **Luke Elliott**, Montana State University Extension Service, Bozeman, MT

By attending this session, participants will:

- Learn non-mechanical cooling strategies;
- See applications for roof coatings;
- Learn about shading windows; and,
- Discuss client education.

Presenter: **TBD**

Managing Contractors (Part 2 of 2)

Managing Inventory - Computer Systems (Part 2 of 2)

Mobile Home Duct Leakage and Sealing

Session Leader: **Patrick Costello**, NYS Division of Housing and Community Renewal, Albany, NY

Before any work is installed in a mobile home the HVAC ducts must be tested for duct leakage and sealed using proper methods. Sealing ducts can increase the efficiency of the heating or cooling system and improve comfort for the occupants. Duct sealing is very cost effective in mobile homes.

By attending this session, participants will:

- Learn techniques for identifying and sealing leaks in mobile homes;
- Understand how to balance the system after the completion of duct sealing;
- Learn the basic physics behind all of the pressure diagnostic techniques; and,
- Listen to the presenter discuss using the blower door with the duct blaster to determine leakage and illustrate cost-effective methods to seal the system.

Presenter: **Bruce Manclark**, Delta T, Inc., Eugene, OR

National Evaluation

Session Leader: **Joel Eisenberg**, Oak Ridge National Laboratory, Washington, DC

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By attending this session, participants will:

- Learn about past national program energy savings and performance;
- Learn about present measures used by DOE; and,
- Discuss state and local responsibilities in the new evaluation effort now getting underway.

Presenters: **Joel Eisenberg**, Oak Ridge National Laboratory, Washington, DC; **Martin Schweitzer**, Oak Ridge National Laboratory, Oak Ridge, TN; **Bruce Tonn**, University of Tennessee, Knoxville, TN

Sizing Heating Systems

Session Leader: **John Bodtmann**, Central Virginia Area Agency on Aging Lynchburg, VA

By attending this session, participants will:

- Learn the importance and potential energy savings of correctly sizing heating systems;
- Learn the various methods for sizing systems; and,
- Learn about heating load calculations, including a comparison between Manual J and NEAT.

Presenter: **Melissa Commins**, Central Virginia Area Agency on Aging, Lynchburg, VA; **Rich Moore**, Invisible Energy, Denver, CO

Train the Trainers (Part 2 of 2)

Weatherization Plus Health

Session Leader: **TBD**

Weatherization Plus Health is an innovative program developed by HUD Office of Healthy Homes and the Building Performance Center in Bellingham, WA. It is designed to leverage work being provided by the weatherization network and address indoor environmental health issues. Weatherization Plus Health will give agencies a means to expand the quality and comprehensiveness of service to low income individuals. This session would be a continuation of the session delivered and well received in Phoenix.

Presenters: **Dave Finet**, The Opportunity Council, Inc., Bellingham, WA

Wisconsin's Measures Review Initiative

Session Leader: **TBD**

By attending this session, participants will:

- Understand how Wisconsin re-evaluated their priority list;
- Learn how tasks and decisions were assigned to multiple technical groups; and,
- See Wisconsin's final priority list.

Presenters: **Martha Benewicz**, Wisconsin Division of Energy, New Auburn, WI; **Suzanne Harmelink**, Wisconsin Energy Conservation Corporation, Madison, WI; **Scott Pigg**, Energy Center of Wisconsin, Madison, WI

Working the Mold Problem, Lessons Learned

Session Leader: **Thomas Green**, Office of Community Services, Little Rock, AR

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One of the most dreaded callbacks in today's weatherization world is: ***"Hey, you guys just weatherized my house and now I have mold everywhere and my kids are sick!"*** The symptoms and liability issues associated with moisture and mold has become an increasing concern among WAP providers and their clients. Blaming a pre-existing problem or having clients sign waivers will not necessarily absolve an agency from responsibility. As building professionals, WAP providers need to be able to recognize existing signs or the potential for moisture and mold problems. Against a backdrop of case studies from across the nation, this workshop will offer suggestions on prudent courses of action that may have a favorable impact on health and safety.

Presenters: **Paul Knight**, Domus PLUS, Oak Park, IL; **Bill Van der Meer**, Pennsylvania College of Technology, Weatherization Training Center, Williamsport, PA

11:45 a.m. – 12:30 p.m.

Closing Plenary